INTERNATIONAL SEARCH REPORT

Internatic pplication No PCT/EP 03/03930

A. CLASSIF IPC 7	FICATION OF SUBJECT MATTER H04L12/26 H04B3/46 G01R31/00	
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) IPC 7 H04L H04B G01R		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)		
EPO-Internal, WPI Data, PAJ, INSPEC		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the rele	vant passages Relevant to claim No.
X	JONES, W.W.; JONES, K.R.: "Seque domain Reflectomety (STDR) for Dissubscriber Line provisioning and diagnostics" WHITE PAPER, 'Online! 2001, XP00 Retrieved from the Internet: <url:http: 'iii.b!<="" 'retrieved="" 2003-06-30!="" application="" cited="" com="" data="" in="" on="" paragraph="" rlist?t="soft_10_100_50_1" td="" techlibrary.wallstree="" the=""><td>gital 2203227 tandtech.</td></url:http:>	gital 2203227 tandtech.
Further documents are listed in the continuation of box C. Patent family members are listed in annex.		
A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document reterring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but		"T" later document published after the international filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention. "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "S" document member of the same patent family
Date of the actual completion of the international search		Date of mailing of the international search report
30 June 2003		04/07/2003
Name and maiting address of the ISA		Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tet. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax. (+31-70) 340-3016		Farese, L